

Before the  
Federal Communications Commission  
Washington, D. C. 20554

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In the Matter of

Amendment of Section 73.202(b)  
Table of Allotments  
FM Broadcast Stations  
(Jamestown, Alfred,  
Canaseraga, New York and  
Du Bois, Pennsylvania)

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

To: Chief, Allocations Branch

Petition for Rule Making

Vox Allegany, LLC, ("Vox Allegany") licensee of FM station WHUG, Jamestown, New York hereby petitions for Rule Making to amend Section 73.202 (b) of the Commission's rules as follows:

- 1) Substitute channel 246A in place of 270A at Alfred, New York and modify the license of FM station WZKZ, Alfred, New York to operate on channel 246A.
- 2) Substitute Channel 270A in lieu of channel 246A at Canaseraga, New York; the allotment at Canaseraga is currently vacant and unapplied for.
- 3) Upgrade WHUG to channel 270B1 at Jamestown, New York.

Stations WHUG and WZKZ are presently full facility class A FM stations, both operating on Channel 270A (101.9 MHz). Under the Commission's spacing criteria, WHUG cannot upgrade to a class B1 facility due to two domestic short-spacings involving stations WZKZ and first adjacent station WOWQ (FM) in Du Bois,

Pennsylvania on Channel 271B. Vox Allegany is also the licensee of station WOWQ.

Grant of this Petition will serve the public interest in three ways. First, It will allow WHUG to upgrade to a Class B1 facility, thus substantially increasing its service area and population served. Second, said upgrade will provide a third full time aural service to an underserved portion of the proposed gain area. Third, it will actually decrease the site restriction required for a new class A facility at Canaseraga, New York.

Presently, the Commission has allotted Channel 246A (97.1 MHz) to Canaseraga (MM Docket No. 98-207) with a site restriction of 10.6 kilometers (6.6 miles) south. The official community reference coordinates for Canaseraga are 42-27-40 NL, 77-46-37 WL. However, by substituting Channel 270A (101.9 MHz) at Canaseraga, the site restriction required decreases to 8.8 km (5.3 miles) southeast<sup>1</sup>. In addition, the currently adopted Channel 246A coordinates for Canaseraga, 42-21-41 NL, 77-45-09 WL also provides full domestic spacing utilizing Channel 270A.

In turn, Channel 246A (97.1 MHz) will also provide full spacing from the present tower site of station WZKZ (FM) at Alfred<sup>2</sup>. Should the Commission act favorably on this Petition, Vox Allegany shall promptly reimburse the WZKZ licensee for its reasonable and prudent expenses in connection with its move to Channel 246A.

Assuming WHUG's short-spacing to WZKZ (FM) is alleviated by the two above substitutions, WHUG will then still be short-spaced to its sister station WOWQ (FM) on Channel 271B at Du Bois, PA. WOWQ's transmitter site coordinates are 41-02-43 NL, 78-42-11 WL. However, this is not a bar to grant of the instant Petition. The

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<sup>1</sup> The new, proposed reference coordinates for channel 270A at Canaseraga, 42-26-21 NL, 77-40-29 WL.

<sup>2</sup> The coordinates of the WZKZ transmitter site are 42-11-25 NL, 77-49-17 WL.

Commission may adopt the fully-spaced reference coordinates for WOWQ requested herein, which shall provide full domestic spacing for WHUG as a B1 facility. As the licensee of WOWQ, Vox Allegany hereby consents to the new, proposed WOWQ reference coordinates of 41-04-29 NL, 78-31-58 WL.

The proposed reference coordinates for WHUG as a B1 facility are 42-12-40 NL, 79-22-40 WL. All of Jamestown will receive 70 dBu coverage from this site.

Given the foregoing, WHUG will then be fully spaced to the WOWQ reference coordinates and shall also provide full spacing to the Canaseraga proposed reference coordinates for a Class A FM station operating on Channel 270A.

As a B1 facility, WHUG will be short-spaced to a Canadian facility, CFNY, Brampton, Ontario; therefore, concurrence with the Canadian government will be required.

A more detailed technical discussion from Carl E. Smith Consulting Engineers is attached hereto.

The instant proposal is in the public interest, fully consistent with Commission policy and precedent, and will result in a more efficient and preferential arrangement of allotments by allowing WHUG to expand its coverage area and provide improved broadcast service to a greater number of people. In addition, it will decrease the site restriction required for a new service at Canaseraga.

WHUG and WOWQ will promptly prepare and file construction permit applications upon favorable Commission action on this petition, and will promptly construct the new facilities upon grant of the applications.

In view of the above, the Commission should amend Section 73.202 (b) as requested herein and modify the facilities for each station as follows:

	<u>Present</u>	<u>Proposed</u>
Alfred, New York	270A	246A
Canaseraga, New York	246A	270A
Jamestown, New York	201A, 209B, 215B1, 227B, 270A	201A, 209B, 215B1, 227B, 270B1

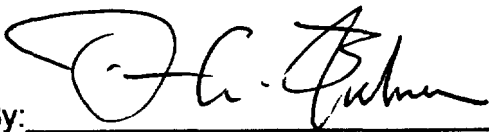
A copy of this Petition is being served upon Pembroke Pines of Elmira, Ltd., licensee of FM station WZKZ, Alfred, NY.

Section 1.52 Compliance:

In accordance with Section 1.52 of the Commission's rules, the undersigned has carefully reviewed the instant petition and hereby verifies this document and its attachment.

Respectfully Submitted,

VOX ALLEGANY, LLC

By: 

John A. Bulmer  
Its Chairman

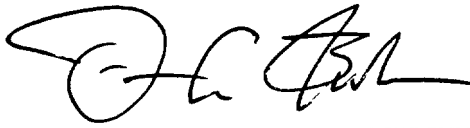
July 17, 2000

Vox Allegany, LLC  
John A. Bulmer  
45 Park Street  
North East, PA 16428

Certificate of Service

I, John A. Bulmer, do hereby certify that I have caused to be mailed on this 17th day of July, 2000, by U. S. First Class Mail, postage prepaid, a copy of the foregoing "Petition for Rule Making" to the following:

Pembroke Pines Elmira, Ltd.  
1705 Lake Road  
Elmira, New York 14901

A handwritten signature in black ink, appearing to read 'J. A. Bulmer', written over a horizontal line.

John A. Bulmer

**ENGINEERING STATEMENT IN  
SUPPORT OF PETITION  
FOR RULEMAKING  
CHANNEL 270B1 - JAMESTOWN, NY**

**Vox Allegany, LLC  
Jamestown, NY**

**June 29, 2000**

**Prepared For: Mr. John Bulmer  
Vox Allegany, LLC  
45 Park Street  
North East, PA 16428**

**CARL E. SMITH CONSULTING ENGINEERS**

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Fig. 1.4 - Proposed WHUG Directional Pattern - Channel 270B1

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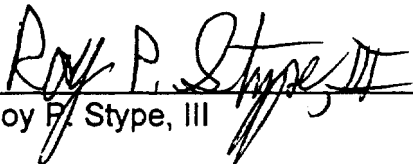
Table 1.8 - Area and Population Data for Underserved Portions of Proposed  
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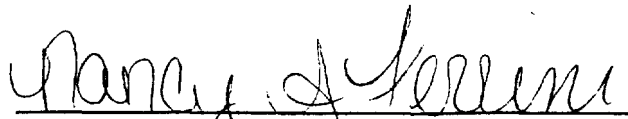
State of Ohio                     )  
  ) ss:  
County of Summit                )

Roy P. Stype, III, being duly sworn, deposes and states that he is a graduate Electrical Engineer, a qualified and experienced Communications Consulting Engineer whose works are a matter of record with the Federal Communications Commission and that he is a member of the Firm of "Carl E. Smith Consulting Engineers" located at 2324 North Cleveland-Massillon Road in the Township of Bath, County of Summit, State of Ohio, and that the Firm has been retained by Vox Allegany, LLC to prepare the attached "Engineering Statement In Support of Petition for Rulemaking - Channel 270B1 - Jamestown, NY."

The deponent states that the Exhibit was prepared by him or under his direction and is true of his own knowledge, except as to statements made on information and belief and as to such statements, he believes them to be true.

  
\_\_\_\_\_  
Roy P. Stype, III

Subscribed and sworn to before me on June 29, 2000.

  
\_\_\_\_\_  
Notary Public

NANCY A. FERRINI, Notary Public  
Residence - Cuyahoga County  
State Wide Jurisdiction, Ohio  
My Commission Expires March 13, 2005

/SEAL/



## ENGINEERING STATEMENT

This engineering statement is prepared on behalf of Vox Allegany, LLC, licensee of Radio Station WHUG(FM) - Jamestown, New York, in support of a petition to amend the FM Table of Allotments to upgrade WHUG to a Class B1 facility. WHUG presently operates on Channel 270 as a Class A facility. The data contained in this engineering statement documents that it is possible to upgrade WHUG to a Class B1 facility on its present channel.

The city reference coordinates for Jamestown are:

NL - 42° 05' 48"

WL - 79° 14' 08"

This places Jamestown within Zone I, as defined by Section 73.205(a) of the FCC Rules. Accordingly, as outlined in Section 73.210(a) of the FCC Rules, the allotment of a Class B1 channel to Jamestown is permitted. The studies contained in this engineering statement were conducted from a site 17.3 kilometers northwest of Jamestown.

The geographic coordinates of this site are:

NL - 42° 12' 40"

WL - 79° 22' 40"

This site also falls within Zone I, permitting the operation of a Class B1 facility from this site.

Table 1.0 is an FM allocation study for Channel 270B1 from the site described above. As shown in this table, operation on Channel 270B1 from this site would be short spaced to the present operation of WHUG on Channel 270A and the following other facilities requiring protection consideration:

WZKZ	Alfred, NY	Channel 270A
WOWQ	Du Bois, PA	Channel 271B
CFNY-FM	Brampton, ON	Channel 271C1

The short spacing to the present operation of WHUG should pose no problems since this Class A allotment will be deleted if WHUG is upgraded to a Class B1 facility as proposed herein. In fact, under the provisions of Section 1.420(g) of the FCC Rules, this conflict with the present operation of WHUG will permit the license for WHUG to be modified to specify operation on Channel 270B1 without entertaining other expressions of interest regarding this channel.

The short spacing to WZKZ can be eliminated by substituting another channel for Channel 270A in Alfred. Table 1.1 is an FM allocation study for Channel 246A in Alfred. This study was conducted from the coordinates for the licensed WZKZ transmitter site, which are also the coordinates specified in the outstanding construction permit to modify the WZKZ operating facilities:

NL - 42° 11' 25"  
WL - 77° 49' 17"

As shown in this table, operation on Channel 246A from this site would be short spaced to a vacant allotment on Channel 246A in Canaseraga, New York.

This short spacing between the proposed operation of WZKZ on Channel 246A and the Canaseraga allotment can be eliminated by substituting another channel for Channel 246A in Canaseraga. Table 1.2 is an FM allocation study for Channel 270A which was conducted from a site 8.7 kilometers east-southeast of Canaseraga:

NL - 42° 26' 21"  
WL - 77° 40' 29"

As shown in this table, operation on Channel 270A from this site would be short spaced to the present operation of WZKZ on Channel 270A. As noted above, however, WZKZ would be moved from Channel 270A to Channel 246A to accommodate the allotment of Channel 270B1 to Jamestown. Thus, this short spacing should not be a problem, since

Channel 270A will be deleted from Alfred if Channel 270B1 is allotted to Jamestown as proposed herein. An examination of this table also shows that operation on Channel 270A from this site would meet the required spacing to the proposal to allot Channel 270B1 to Jamestown.

Figure 1.2 is a map exhibit depicting the 3.16 mV/m contour for Channel 270A in Canaseraga from the proposed reference coordinates outlined above. This contour was projected assuming uniform terrain and nondirectional operation with maximum Class A facilities of 6 kilowatts effective radiated power at 100 meters above average terrain. As shown in this figure, operation on Channel 270A from this proposed site would provide 3.16 mV/m service to all of Canaseraga, as required by Section 73.315(a) of the FCC Rules.

It should be noted that the present allotment on Channel 246A in Canaseraga requires a site restriction of 11.3 kilometers from the community to comply with the applicable spacing requirements. Substituting Channel 270A for Channel 246A in Canaseraga would reduce the magnitude of the required site restriction by 2.6 kilometers, furthering the FCC policy of preferring the channel which requires the least site restriction when multiple channels are available for use in a community.

The short spacing to WOWQ can be eliminated by specifying alternate reference coordinates for Channel 271B in Du Bois. Table 1.3 is an FM spacing study which was conducted from a site located 19.6 kilometers east-southeast of Du Bois:

NL - 41° 04' 29"  
WL - 78° 31' 58"

As shown in this table, operation on Channel 271B from this site would comply with the spacing requirements to all other facilities requiring protection consideration, including

the proposal to allot Channel 270B1 to Jamestown and the proposal to substitute Channel 270A for Channel 246A in Canaseraga.

Figure 1.3 is a map exhibit depicting the 3.16 mV/m contour for WOWQ from the proposed reference coordinates outlined above. This contour was projected assuming uniform terrain and nondirectional operation with maximum Class B facilities of 50 kilowatts effective radiated power at 150 meters above average terrain. As shown in this figure, operation by WOWQ from this proposed site would provide 3.16 mV/m service to all of Du Bois, as required by Section 73.315(a) of the FCC Rules.

WOWQ is owned by the petitioner and, thus, obviously has consented to the proposed site relocation outlined above. It should be noted that the proposed site specified above for WOWQ is an existing FM site and is located in close proximity to the transmitter site of at least one other FM station. Thus, there is no reason to question the ability of WOWQ to relocate to this proposed site.

The short spacing to CFNY-FM is permitted pursuant to the September 7, 1984 Working Arrangement for Allotment and Assignment of FM Broadcasting Channels 201 through 300 Under the Canadian-U.S.A. FM Broadcasting Agreement of 1947, as amended. Paragraph 3.5.2 of this working arrangement provides for specially negotiated short spaced limited allotments in cases where the required spacing is not met between U.S. and Canadian facilities, provided that the required protection is provided. In this particular case, the required protection will be provided to CFNY-FM so long as the predicted WHUG 48 dBu F(50,10) contour does not overlap the predicted 54 dBu F(50,50) contour of CFNY-FM on Canadian soil. Domestically, Class B1 stations are protected to their 57 dBu contour, as outlined in Section 73.215 of the FCC Rules. Thus, in order to prevent WHUG from receiving interference from CFNY-FM, there can

be no overlap between the WHUG 57 dBu F(50,50) contour and the 51 dBu F(50,10) contour of CFNY-FM on U.S. soil. In evaluating compliance with these requirements, WHUG was assumed to be operating from the reference coordinates outlined above with maximum Class B1 facilities of 25 kilowatts effective radiated power at 100 meters above average terrain utilizing the directional pattern outlined in Table 1.4 and Figure 1.4. CFNY-FM was assumed to be operating from its authorized site with maximum Class C1 facilities of 100 kilowatts effective radiated power at 300 meters above average terrain. Figure 1.5 depicts these contours on an appropriate map base. As shown in this figure, there will be no prohibited overlap, either caused or received, between the proposed Channel 270B1 facilities for WHUG and CFNY-FM. Accordingly, based on the above information, the proposed WHUG facilities fully comply with this working arrangement. Thus, it is respectfully requested that Canadian concurrence be requested for Channel 270B1 in Jamestown as a specially negotiated short spaced limited allotment.

Figure 1.6 is a map exhibit showing the predicted 3.16 mV/m (city grade) contour for the site specified above for Channel 270B1 in Jamestown. This contour was projected assuming maximum Class B1 facilities of 25 kilowatts effective radiated power at 100 meters above average terrain and the directional pattern outlined in Table 1.4 and Figure 1.4, assuming uniform terrain. As shown in this figure, it will be possible to provide city grade service to all of Jamestown on Channel 270B1 from the proposed reference coordinates.

Figure 1.7 is a map exhibit showing the predicted 1 mV/m contour for the proposed WHUG Channel 270B1 operation in relation to the predicted 1 mV/m contour for the present operation of WHUG on Channel 270A. The proposed contour assumes

operation with maximum Class B1 facilities from the coordinates outlined above utilizing the directional pattern outlined in Table 1.4 and Figure 1.4. The present contour is based on the licensed WHUG operating facilities which employ a nondirectional antenna with an effective radiated power of 6 kilowatts at 100 meters above average terrain. Both of these contours were projected assuming uniform terrain. Table 1.7 presents detailed data on the present and proposed populations and areas, as well as the loss and gain areas. As shown by this data, the proposed WHUG upgrade will result in a 67.3% increase in the number of persons to which it provides 1 mV/m service.

Studies were then conducted to identify all other stations which provide full time aural service to any portion of these gain and loss areas. For all FM stations, uniform terrain was assumed and all classes of stations were assumed to provide service to their 1 mV/m contour, pursuant to FCC policy. All commercial FM stations, with the exception of Class A and Class C stations, were assumed to be operating with the maximum facilities permitted for their class. Calculations for commercial Class C stations and all noncommercial educational FM stations were based on the stations' actual notified operating facilities. Class A stations were considered to be operating with the greater of their actual operating facilities or the former Class A maximum of 3 kilowatts effective radiated power at 100 meters above average terrain. All AM contours were projected utilizing the notified nighttime facilities for each station and conductivity data from FCC Figure M3. Class A AM stations were considered to provide service to their 0.5 mV/m groundwave contours, while all other AM stations were considered to provide service to their nighttime interference free contour, as defined by Section 73.182 of the FCC Rules. Class D AM stations operating at night with subminimum facilities were not considered in these studies, due to the fact that these stations operate on a secondary

basis at night and are considered by the FCC to be daytime only stations, in spite of their limited nighttime facilities. These studies found that, while the entire loss area presently receives five or more full time aural services, portions of the gain area presently receive fewer than five full time aural services.

Figure 1.8 is a map exhibit depicting the portions of the gain area which presently receive fewer than five full time aural services and the number of full time aural services which will be received in each portion of this underserved area if Channel 270B1 is substituted for Channel 270A in Jamestown, as proposed herein. As shown in this figure, the proposed WHUG upgrade will provide a third full time aural service to a portion of this gain area. Table 1.8 presents a tabulation of the areas and populations in this gain area which presently receive less than five full time aural services. As shown by this data, the proposed WHUG upgrade will provide full time aural service to 2664 persons who presently receive less than five full time aural services.

In summary, Channel 270B1 can be allotted to Jamestown, New York in place of the present allotment on Channel 270A, provided that Channel 246A is substituted for Channel 270A in Alfred, New York, Channel 270A is substituted for Channel 246A in Canaseraga, New York, and the reference coordinates for Channel 271B in Du Bois, Pennsylvania are modified as proposed herein. Canadian concurrence must be obtained for Channel 270B1 in Jamestown as a specially negotiated short spaced limited allotment. The grant of this upgrade proposal for WHUG would serve the public interest by significantly increasing the number of persons served by WHUG, some of whom presently receive less than five full time aural services.

TABLE 1.0

FM ALLOCATION STUDY - CHANNEL 270B1 (101.9 MHz) - JAMESTOWN, NY

VOX ALLEGANY, LLC  
JAMESTOWN, NY

STUDY COORDINATES: 42/12/40 79/22/40

STATION	LOCATION	CHANNEL	CLASS	SPACING (km)	REQUIRED SPACING* (km)	NOTES
WQLNFM	Erie, PA	217	B	59.92	17.0	
WOLN	Olean, NY	217	A	79.45	12.0	
WBNY	Buffalo, NY	217	A	89.90	12.0	
99-58	Farmington Township, PA	267	A	94.46	48.0	9
99-58	Strattanville, PA	267	A	100.96	48.0	9
CKOTFM	Tillsonburg, ON	267	B	149.09	71.0	
WMXO	Olean, NY	268	A	82.46	48.0	
WVCC	Linesville, PA	269	A	106.93	96.0	
WLOF	Attica, NY	269	A	110.11	96.0	
WLOF	Attica, NY	269	A	110.11	96.0	1, 2
CKNXFM	Wingham, ON	269	C1	256.35	181.0	
WHUG	Jamestown, NY	270	A	15.74	143.0	3, 11
WZKZ	Alfred, NY	270	A	128.57	143.0	3, 11
WZKZ	Alfred, NY	270	A	128.57	143.0	2, 3, 11
RM	Canaseraga, NY	270	A	142.65	143.0	10
WBTJ	Hubbard, OH	270	A	155.65	143.0	
WVAQ	Morgantown, WV	270	B	293.54	211.0	
WDETFM	Detroit, MI	270	B	304.41	211.0	
WAVTFM	Pottsville, PA	270	B	305.74	211.0	
WOWQ	Du Bois, PA	271	B	141.16	145.0	3, 11
WOWQ	Du Bois, PA	271	B	144.52	145.0	10
WDJA	Albion, NY	271	A	154.34	96.0	2
CFNYFM	Brampton, ON	271	C1	158.98	181.0	11
CFNYFM	Brampton, ON	271	C1	159.57	181.0	11
WDOK	Cleveland, OH	271	B	213.96	145.0	
WJET	Erie, PA	272	A	60.22	48.0	
CKDKFM	Woodstock, ON	272	B	150.89	84.0	
WTSS	Buffalo, NY	273	B	79.41	71.0	
WZOOFM	Edgewood, OH	273	A	127.12	48.0	1

\* Required Spacing Per Section 73.207 of The FCC Rules



TABLE 1.0 (cont'd)

FM ALLOCATION STUDY - CHANNEL 270B1 (101.9 MHz) - JAMESTOWN, NY

-----  
VOX ALLEGANY, LLC  
JAMESTOWN, NY

Notes:

- |                                      |                                  |
|--------------------------------------|----------------------------------|
| 1 - Applied For Under Section 73.215 | 7 - Pending Application          |
| 2 - Construction Permit              | 8 - Petition For Reconsideration |
| 3 - Channel Deletion Proposed        | 9 - Proposed Rulemaking          |
| 4 - Move From This Channel Ordered   | 10 - Rulemaking Petition         |
| 5 - Move to This Channel Ordered     | 11 - Short-Spaced                |
| 6 - One Step Reference Site          | 12 - Vacant Allotment            |

TABLE 1.1

FM ALLOCATION STUDY - CHANNEL 246A (97.1 MHz) - ALFRED, NY

VOX ALLEGANY, LLC  
JAMESTOWN, NY

STUDY COORDINATES: 42/11/25 77/49/17

STATION	LOCATION	CHANNEL	CLASS	SPACING (km)	REQUIRED SPACING* (km)	NOTES
WCMFFM	Rochester, NY	243	B	106.77	69.0	
WCQA	Fredonia, NY	243	A	130.61	31.0	
WPELFM	Montrose, PA	243	B	166.36	69.0	
WFRMFM	Coudersport, PA	244	A	50.79	31.0	
WREQ	Ridgebury, PA	245	A	90.75	72.0	
WGRF	Buffalo, NY	245	B	121.23	113.0	
ALLOTMENT	Canaseraga, NY	246	A	19.84	115.0	3, 11, 12
WQWK	University Park, PA	246	A	153.90	115.0	
WBHT	Mountain Top, PA	246	A	197.16	115.0	1
C1GLFM	Belleville, ON	246	B	225.65	210.0	
WREOFM	Ashtabula, OH	246	B	248.71	178.0	
WYXL	Ithaca, NY	247	B	123.22	113.0	
C1EZFM	Toronto, ON	247	B	205.82	137.0	
WPKK	St. Marys, PA	248	B	103.39	69.0	
WGMM	Big Flats, NY	249	A	61.68	31.0	1
WVRT	Jersey Shore, PA	249	A	116.83	31.0	3
WVRT	Mill Hall, PA	249	A	120.91	31.0	9
CHTZFM	St Catharines, ON	249	B	155.39	69.0	
WNUC	Wethersfield Township, NY	299	B	61.52	15.0	
WSFT	Williamsport, PA	300	A	130.53	10.0	

\* Required Spacing Per Section 73.207 of The FCC Rules

TABLE 1.1 (cont'd)

FM ALLOCATION STUDY - CHANNEL 246A (97.1 MHz) - ALFRED, NY

VOX ALLGANY, LLC  
JAMESTOWN, NY

Notes:

- |                                      |                                  |
|--------------------------------------|----------------------------------|
| 1 - Applied For Under Section 73.215 | 7 - Pending Application          |
| 2 - Construction Permit              | 8 - Petition For Reconsideration |
| 3 - Channel Deletion Proposed        | 9 - Proposed Rulemaking          |
| 4 - Move From This Channel Ordered   | 10 - Rulemaking Petition         |
| 5 - Move to This Channel Ordered     | 11 - Short-Spaced                |
| 6 - One Step Reference Site          | 12 - Vacant Allotment            |

TABLE 1.2

FM ALLOCATION STUDY - CHANNEL 270A (101.9 MHz) - CANASERAGA, NY

VOX ALLEGANY, LLC  
JAMESTOWN, NY

STUDY COORDINATES: 42/26/21 77/40/29

STATION	LOCATION	CHANNEL	CLASS	SPACING (km)	REQUIRED SPACING*	NOTES
-----	-----	-----	-----	-----	-----	-----
WSQE	Corning, NY	216	B1	75.93	12.0	
WOLN	Olean, NY	217	A	77.89	10.0	
WRMMFM	Rochester, NY	267	B	81.25	69.0	
WMXO	Olean, NY	268	A	69.73	31.0	
WDKC	Covington, PA	268	A	101.22	31.0	
WXHC	Homer, NY	268	A	124.32	31.0	
WLOF	Attica, NY	269	A	71.60	72.0	
WLOF	Attica, NY	269	A	71.60	72.0	1, 2
WFLK	Geneva, NY	269	A	71.89	72.0	
WLTB	Owego, NY	269	A	133.58	72.0	3
WLTB	Johnson City, NY	269	A	148.87	72.0	9
WZKZ	Alfred, NY	270	A	30.17	115.0	3, 11
WZKZ	Alfred, NY	270	A	30.17	115.0	2, 3, 11
WHUG	Jamestown, NY	270	A	131.98	115.0	3
WHUG	Jamestown, NY	270	B1	142.65	143.0	10
WAYTFM	Pottsville, PA	270	B	216.42	178.0	
ALLOTMENT	Kingston, ON	270	A	220.88	151.0	12
CFRCFM	Kingston, ON	270	A	226.12	151.0	
WJIV	Cherry Valley, NY	270	B	247.65	178.0	1
WAVR	Waverly, NY	271	A	103.70	72.0	
WBJA	Albion, NY	271	A	106.11	72.0	2
WRDS	Phoenix, NY	271	A	135.60	72.0	
WOWQ	Du Bois, PA	271	B	176.88	113.0	3
WOWQ	Du Bois, PA	271	B	167.51	113.0	10
CFNYFM	Brampton, ON	271	C1	193.10	168.0	
CFNYFM	Brampton, ON	271	C1	193.22	168.0	
WISY	Canandaigua, NY	272	A	55.23	31.0	
WTSS	Buffalo, NY	273	B	81.85	69.0	

\* Required Spacing Per Section 73.207 of The FCC Rules

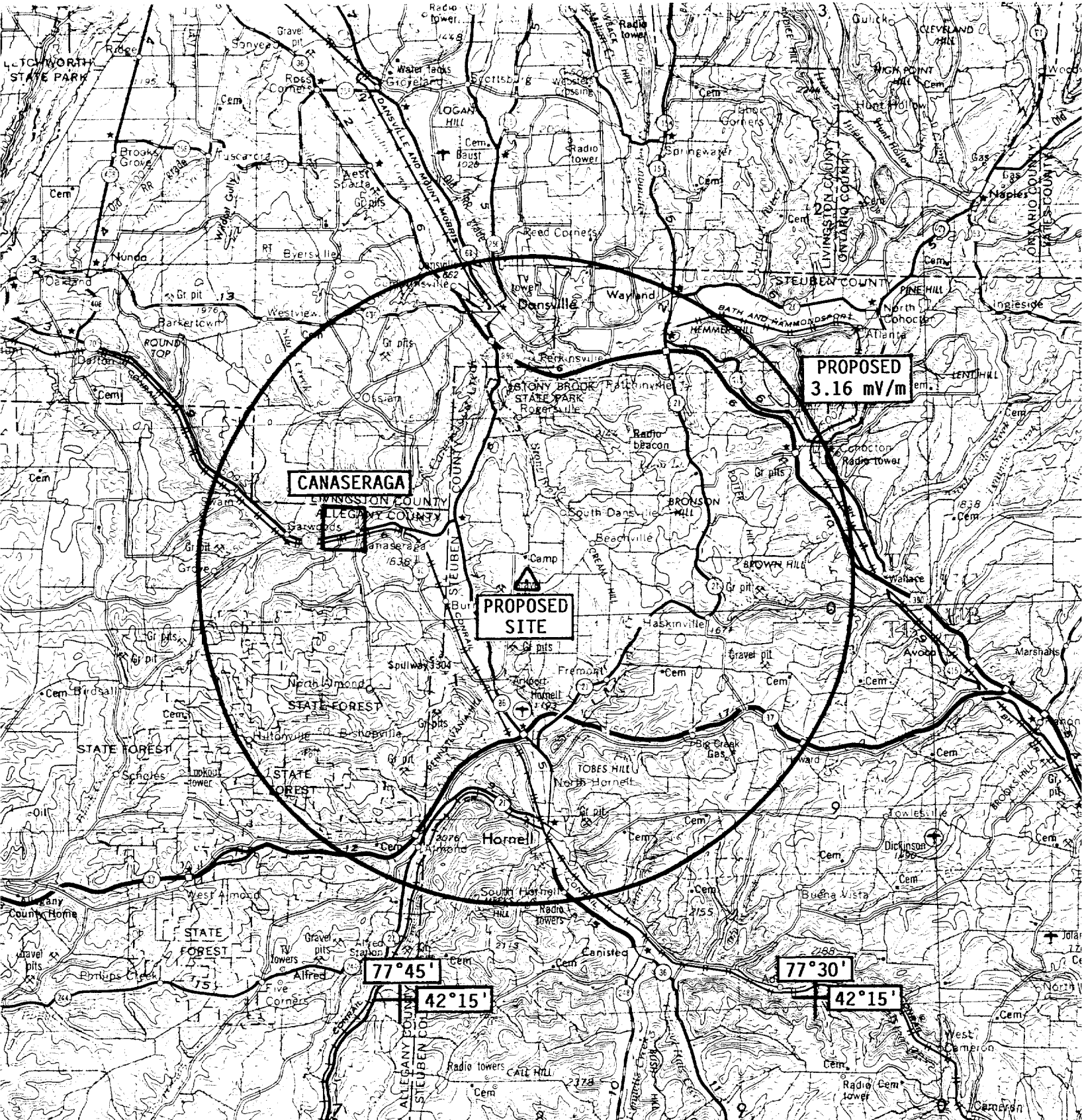
TABLE 1.2 (cont'd)

FM ALLOCATION STUDY - CHANNEL 270A (101.9 MHz) - CANASERAGA, NY

VOX ALLEGANY, LLC  
JAMESTOWN, NY

Notes:

- |                                      |                                  |
|--------------------------------------|----------------------------------|
| 1 - Applied For Under Section 73.215 | 7 - Pending Application          |
| 2 - Construction Permit              | 8 - Petition For Reconsideration |
| 3 - Channel Deletion Proposed        | 9 - Proposed Rulemaking          |
| 4 - Move From This Channel Ordered   | 10 - Rulemaking Petition         |
| 5 - Move to This Channel Ordered     | 11 - Short-Spaced                |
| 6 - One Step Reference Site          | 12 - Vacant Allotment            |



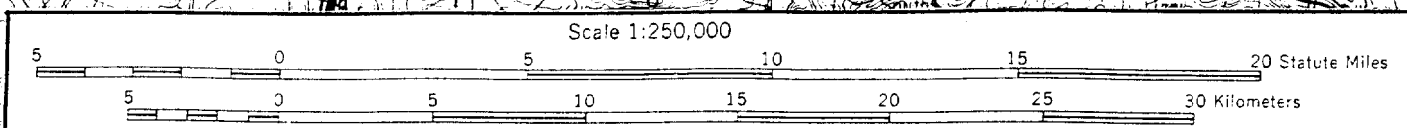
**PROPOSED  
3.16 mV/m**

**CANASERAGA**  
LIVINGSTON COUNTY  
ALLEGANY COUNTY

**PROPOSED  
SITE**

**77°45' 42°15'**

**77°30' 42°15'**



**CARL E. SMITH CONSULTING ENGINEERS**  
2324 N. CLEVE-MASS RD., BOX 807  
BATH, OHIO 44210-0807  
330/659-4440

**FIG. 1.2**  
**PROPOSED 3.16 mV/m CONTOUR**  
**CHANNEL 270A - CANASERAGA, NY**  
**Vox Allegany, LLC**  
**Jamestown, NY**

TABLE 1.3

FM ALLOCATION STUDY - CHANNEL 271B (102.1 mHz) - DU BOIS, PA

VOX ALLEGANY, LLC  
JAMESTOWN, NY

STUDY COORDINATES: 41/04/29 78/31/58

STATION	LOCATION	CHANNEL	CLASS	SPACING (km)	REQUIRED SPACING*	NOTES
WOLN	Olean, NY	217	A	106.96	15.0	
WPSUFM	State College, PA	218	B1	50.03	17.0	
WMXO	Olean, NY	268	A	115.04	69.0	
WDKC	Covington, PA	268	A	131.63	69.0	
WORDFM	Pittsburgh, PA	268	B	139.63	74.0	
WORDFM	Pittsburgh, PA	268	B	139.63	74.0	2
WAYZFM	Waynesboro, PA	268	B	161.40	74.0	
WSRA	Central City, PA	269	A	110.45	69.0	
WHUG	Jamestown, NY	270	A	130.61	113.0	3
WZKZ	Alfred, NY	270	A	137.35	113.0	3
WZKZ	Alfred, NY	270	A	137.35	113.0	2, 3
WHUG	Jamestown, NY	270	B1	144.52	145.0	10
WBTJ	Hubbard, OH	270	A	165.44	113.0	
RM	Canaseraga, NY	270	A	167.51	113.0	10
WAVTFM	Pottsville, PA	270	B	197.54	169.0	
WVAQ	Morgantown, WV	270	B	204.31	169.0	
WLIF	Baltimore, MD	270	B	249.31	169.0	
WAVR	Waverly, NY	271	A	200.29	178.0	
WBJA	Albion, NY	271	A	249.27	178.0	2
WDOK	Cleveland, OH	271	B	267.91	241.0	
CFNYFM	Brampton, ON	271	C1	293.73	271.0	
CFNYFM	Brampton, ON	271	C1	294.12	271.0	
WLOQ	Philadelphia, PA	271	B	301.30	241.0	
WHYLFM	Carlisle, PA	272	A	146.77	113.0	
WJET	Erie, PA	272	A	167.10	113.0	
WDVE	Pittsburgh, PA	273	B	141.08	74.0	
ALLOTMENT	Clarendon, PA	274	A	81.57	69.0	12
WKSJ	Williamsport, PA	274	B	130.89	74.0	

\* Required Spacing Per Section 73.207 of The FCC Rules

TABLE 1.3 (cont'd)

FM ALLOCATION STUDY - CHANNEL 271B (102.1 MHz) - DU BOIS, PA

-----  
VOX ALLEGANY, LLC  
JAMESTOWN, NY

Notes:

- |                                      |                                  |
|--------------------------------------|----------------------------------|
| 1 - Applied For Under Section 73.215 | 7 - Pending Application          |
| 2 - Construction Permit              | 8 - Petition For Reconsideration |
| 3 - Channel Deletion Proposed        | 9 - Proposed Rulemaking          |
| 4 - Move From This Channel Ordered   | 10 - Rulemaking Petition         |
| 5 - Move to This Channel Ordered     | 11 - Short-Spaced                |
| 6 - One Step Reference Site          | 12 - Vacant Allotment            |



TABLE 1.4

PROPOSED WHUG DIRECTIONAL  
PATTERN - CHANNEL 270B1

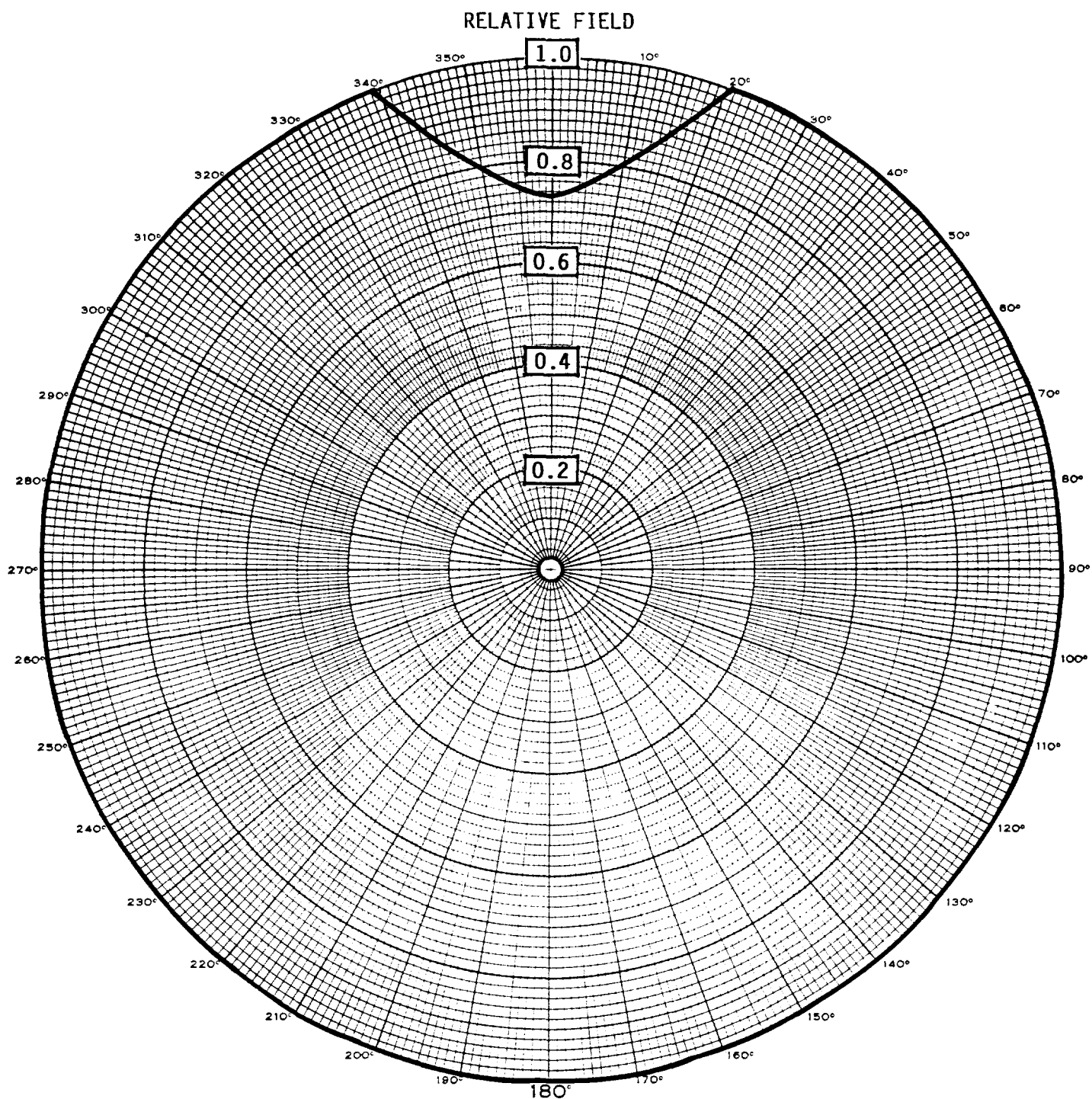
Vox Allegany, LLC  
 Jamestown, NY

<u>Azimuth</u> <u>(Degrees)</u>	<u>Relative</u> <u>Field</u>	<u>(dBk)</u>	<u>ERP</u> <u>(kW)</u>
0	0.740	11.36	13.69
10	0.810	12.15	16.40
20	1.000	13.98	25.00
30	1.000	13.98	25.00
40	1.000	13.98	25.00
45	1.000	13.98	25.00
50	1.000	13.98	25.00
60	1.000	13.98	25.00
70	1.000	13.98	25.00
80	1.000	13.98	25.00
90	1.000	13.98	25.00
100	1.000	13.98	25.00
110	1.000	13.98	25.00
120	1.000	13.98	25.00
130	1.000	13.98	25.00
135	1.000	13.98	25.00
140	1.000	13.98	25.00
150	1.000	13.98	25.00
160	1.000	13.98	25.00
170	1.000	13.98	25.00
180	1.000	13.98	25.00
190	1.000	13.98	25.00
200	1.000	13.98	25.00

TABLE 1.4 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Relative Field</u>	<u>(dBk)</u>	<u>ERP (kW)</u>
210	1.000	13.98	25.00
220	1.000	13.98	25.00
225	1.000	13.98	25.00
230	1.000	13.98	25.00
240	1.000	13.98	25.00
250	1.000	13.98	25.00
260	1.000	13.98	25.00
270	1.000	13.98	25.00
280	1.000	13.98	25.00
290	1.000	13.98	25.00
300	1.000	13.98	25.00
310	1.000	13.98	25.00
315	1.000	13.98	25.00
320	1.000	13.98	25.00
330	1.000	13.98	25.00
340	0.990	13.89	24.50
350	0.790	11.93	15.60

Maximum ERP = 25.0 kilowatts = 13.98 dBk



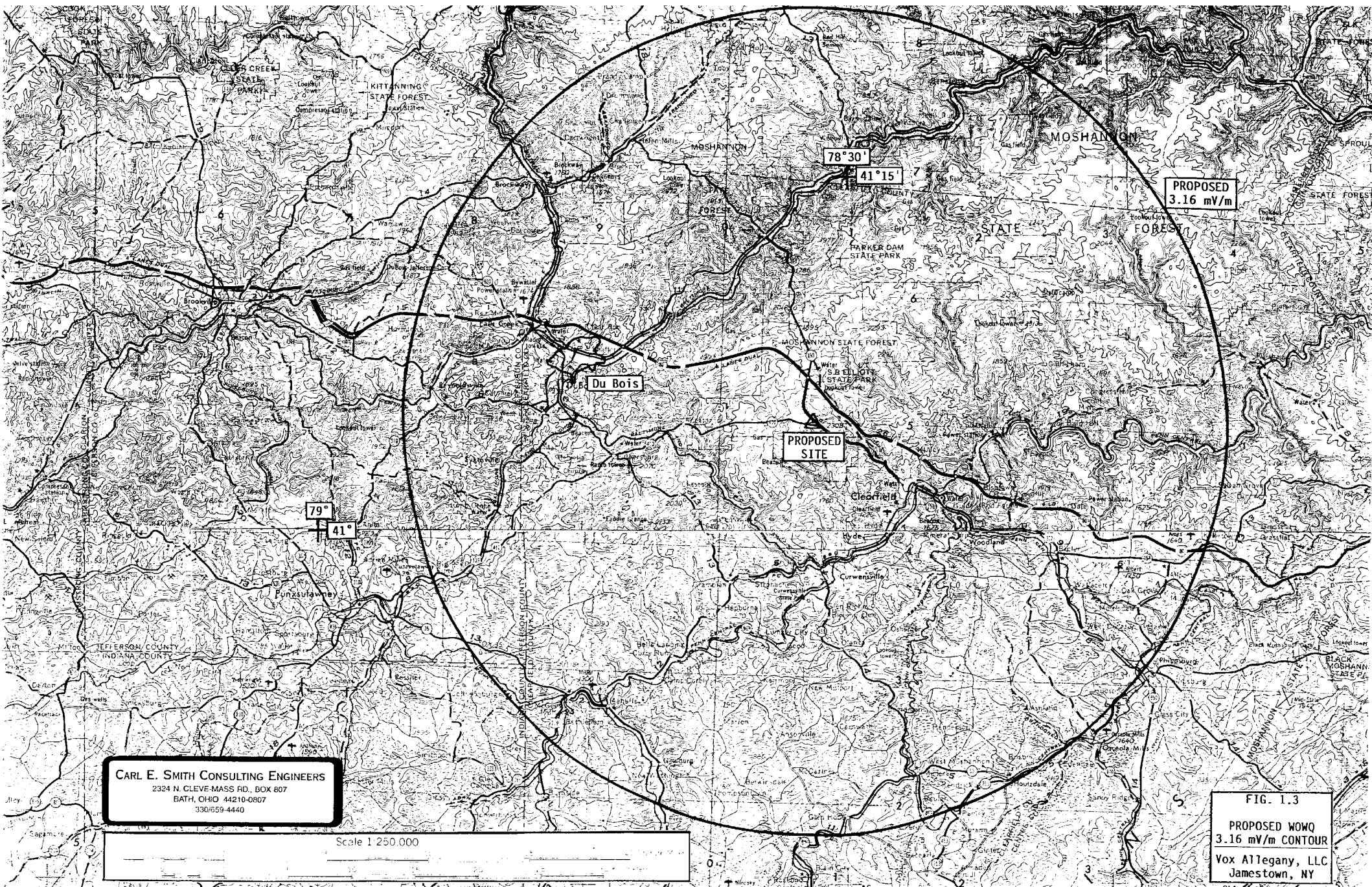
Maximum ERP = 25 kW

FIG. 1.4

PROPOSED WHUG DIRECTIONAL  
PATTERN - CHANNEL 270B1

Vox Allegany, LLC  
Jamestown, NY

CARL E. SMITH CONSULTING ENGINEERS  
2324 N. CLEVE-MASS RD., BOX 807  
BATH, OHIO 44210-0807  
216/659-4440



CARL E. SMITH CONSULTING ENGINEERS  
2324 N. CLEVELAND RD., BOX 807  
BATH, OHIO 44210-0807  
330/659-4440

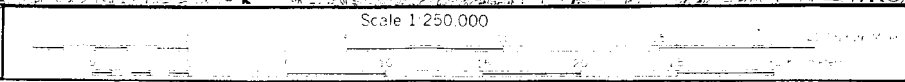
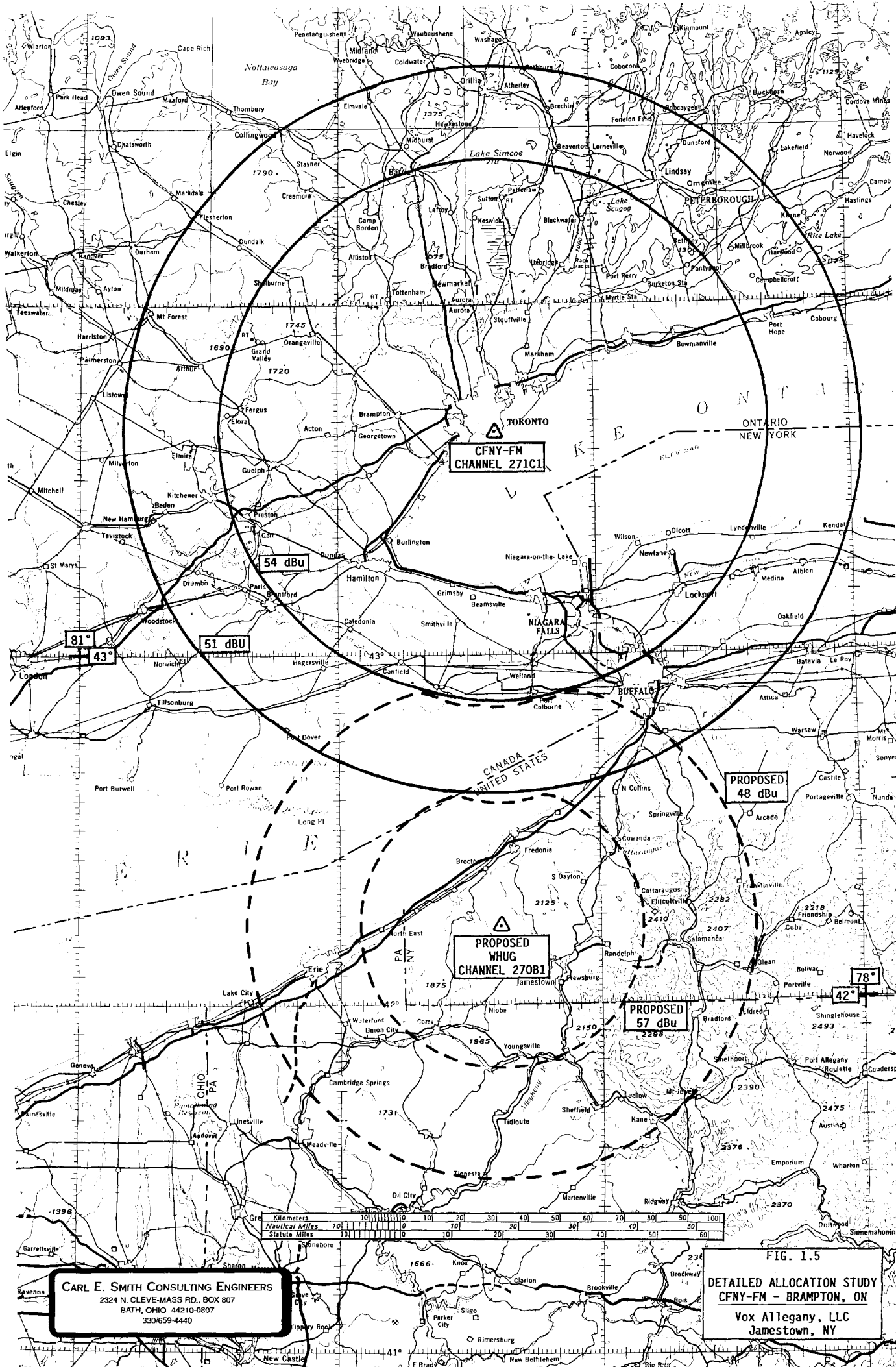


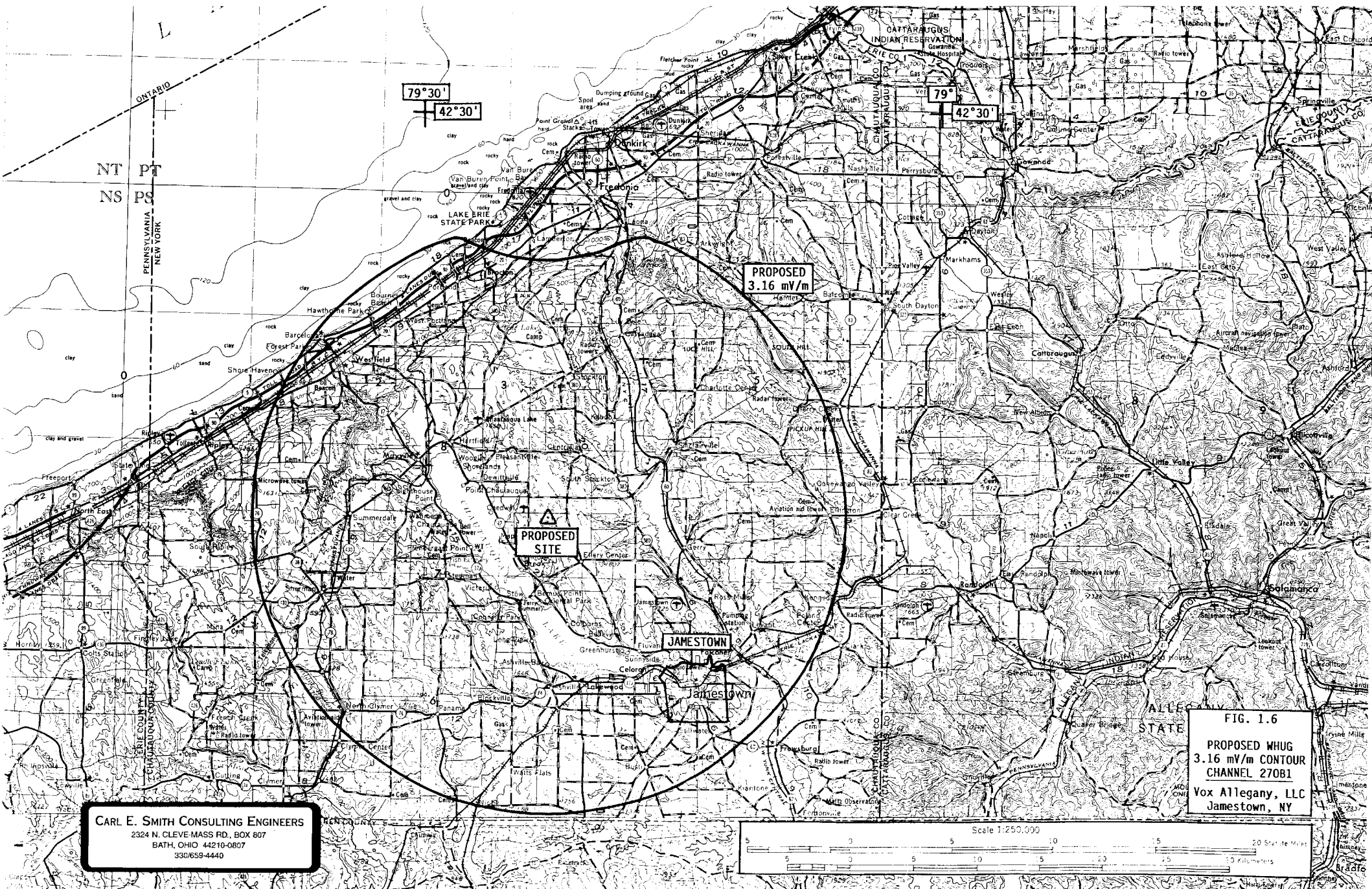
FIG. 1.3  
PROPOSED WOWQ  
3.16 mV/m CONTOUR  
Vox Allegany, LLC  
Jamestown, NY

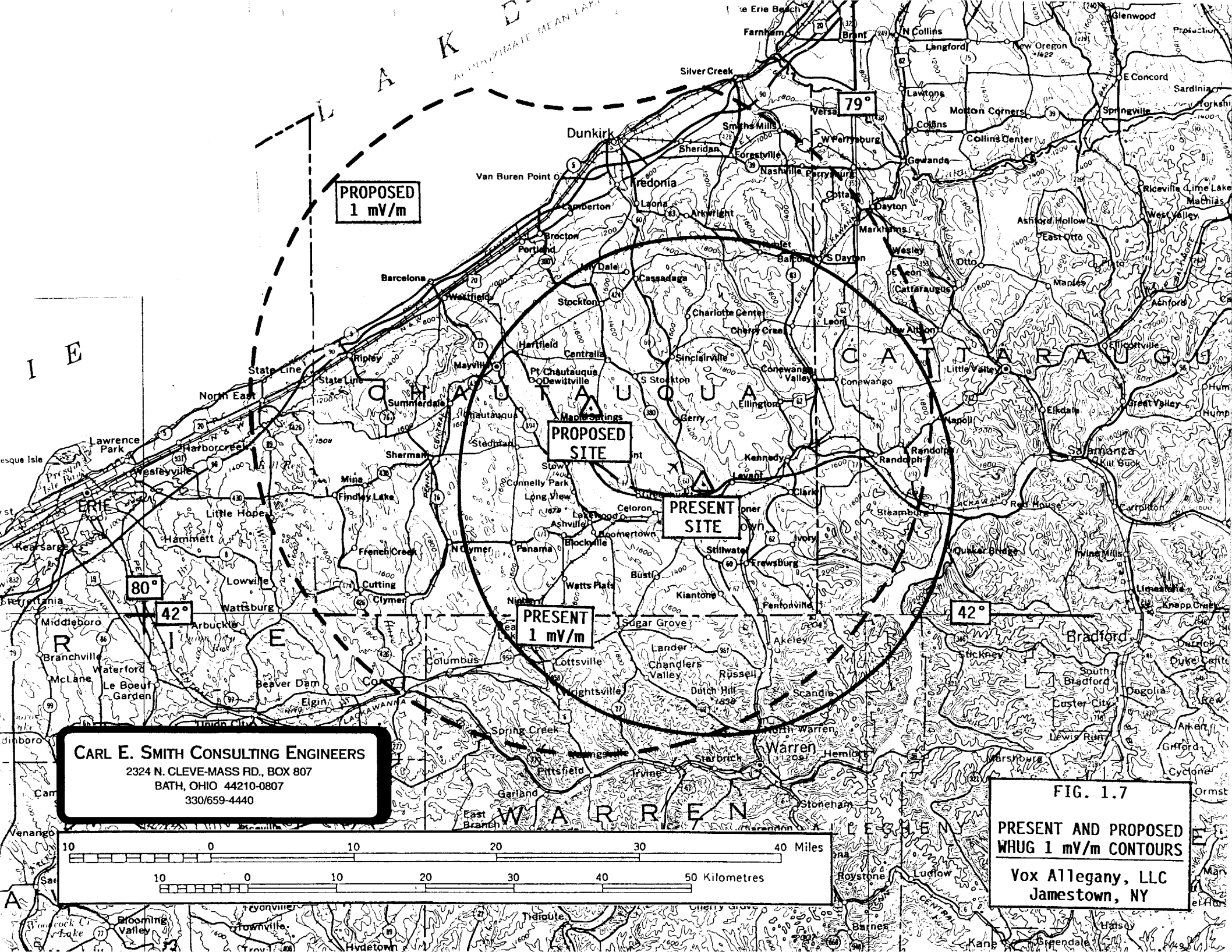


**CARL E. SMITH CONSULTING ENGINEERS**  
 2324 N. CLEVELAND RD., BOX 807  
 BATH, OHIO 44210-0807  
 330/659-4440

**FIG. 1.5**  
**DETAILED ALLOCATION STUDY**  
**CFNY-FM - BRAMPTON, ON**  
**Vox Allegany, LLC**  
**Jamestown, NY**







CARL E. SMITH CONSULTING ENGINEERS  
2324 N. CLEVE-MASS RD., BOX 807  
BATH, OHIO 44210-0807  
330/659-4440

FIG. 1.7  
PRESENT AND PROPOSED  
WHUG 1 mV/m CONTOURS  
Vox Allegany, LLC  
Jamestown, NY

TABLE 1.7  
PRESENT AND PROPOSED  
WHUG AREA AND POPULATION  
Vox Allegany, LLC  
Jamestown, NY

	<u>Area</u> <u>(Square Kilometers)</u>	<u>Population</u> <u>(1990 Census)</u>
Present	2,515.2	98,581
Gain	1,734.7	68,896
Loss	167.7	2,541
Proposed	4,082.2	164,936
Net Gain	1,567.0	66,355

Notes:

All population data extracted from 1990 U. S. Census.  
Entire loss area will continue to receive at least five full time aural services.



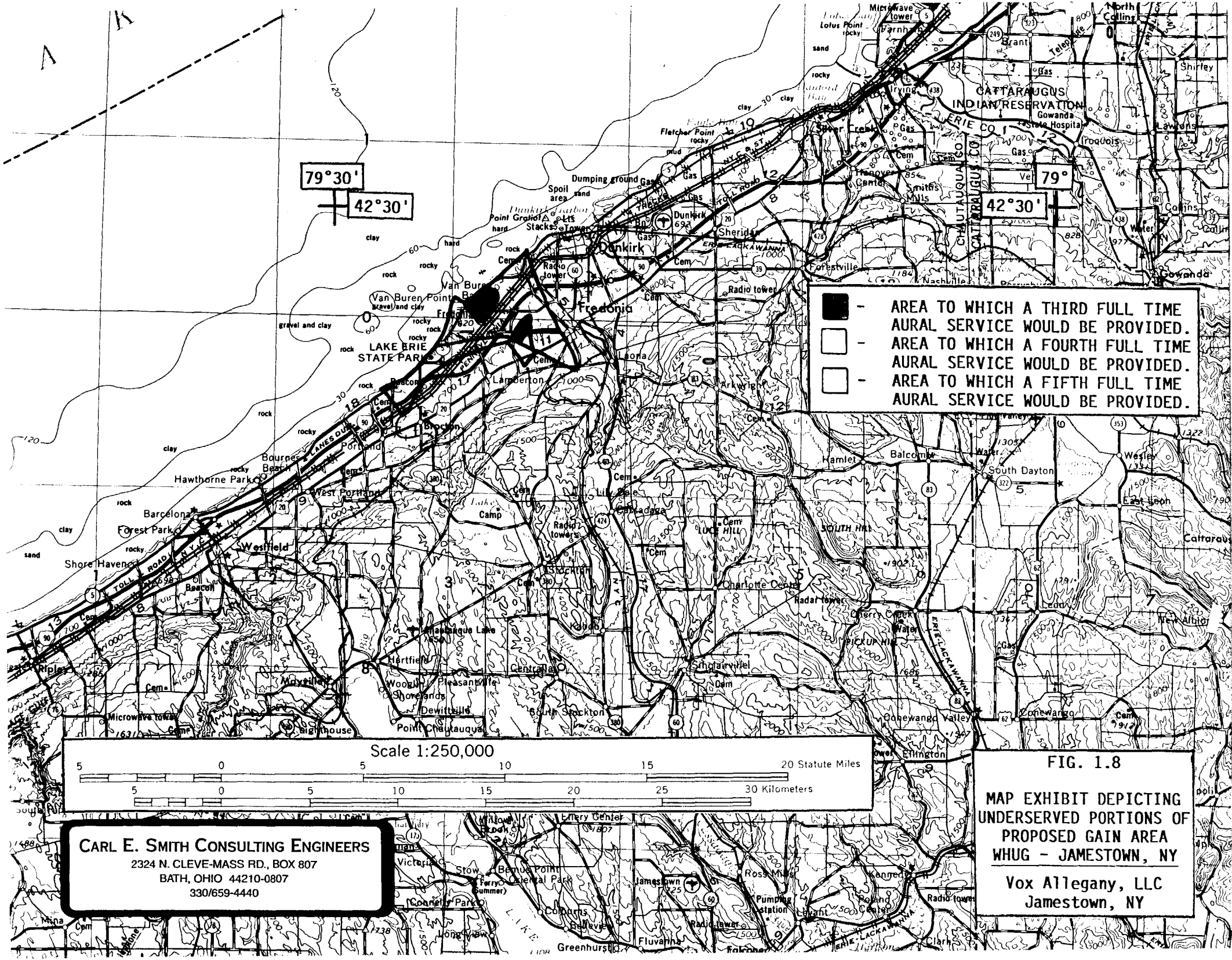


TABLE 1.8

AREA AND POPULATION DATA FOR UNDERSERVED  
PORTIONS OF PROPOSED GAIN AREA

WHUG - JAMESTOWN, NY

Vox Allegany, LLC

Jamestown, NY

<u>Portions of Proposed Gain Area Which Will Receive:</u>	<u>Area (Square Kilometers)</u>	<u>Population (1990 Census)</u>
Third full time aural service	1.6	64
Fourth full time aural service	17.4	1,441
Fifth full time aural service	14.1	1,159
Total underserved area	33.1	2,664

Notes:

All population data extracted from 1990 U. S. Census.

Entire loss area will continue to receive at least five full time aural services.